PTO/SB/21 (AW)(03-03)

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number 10/756,982

Filing Date January 14, 2004

First Named Inventor S. Inatsugu et al.

Art Unit To Be Assigned

Examiner Name To Be Assigned

Attorney Docket No. MAT-8498US

| Total Number of Pages in Th  | nis Submission 8 + 3  | references   | Attorney Docket No.  | MAT-8498 | US  |  |  |
|--|---|--|--|----------|---|--|--|
|  | EN  | NCLOSURE   | ES (Check all that   | apply)   |   |  |  |
| Fee Transmittal Form Fee Attached  Amendment/Reply After Final Affidavits/Decla  Extension of Time Re  Express Abandonmer  Information Disclosure Certified Copy of Prior  Response to Missing Incomplete Application Response to M 37 CFR 1.52 or | aration(s)  equest  nt Request  e Statement  rity Document(s)  Parts/ n | Petitio Petitio Provis Power Chang Addres Termin Reque | sing-related Papers on on to Convert to a sional Application of Attorney, Revocation of Correspondence |          | to Al | iter Allowance Communication Group  ppeal Communication to Board Appeals and Interferences  ppeal Communication to Group Appeal Notice, Brief, Reply rief)  roprietary Information tatus Letter  ther Enclosure(s) (please entify below): eturn postcard TO Form 1449 references |  |
| SIGNATURE OF APPLICANT, ATTORNEY OR AGENT  |   |  |  |          |   |  |  |
| Firm or Individual Registration No. (Attorney/Agent) 34,515 Signature Registration No. (Attorney/Agent)  |   |  |  |          |   | ,515   |  |
| Date   March 30, 20  | 004   |  |  |          |   |  |  |
|  | CERTIFIC  | CATE OF TR   | RANSMISSION / M/   | AILING   |   |  |  |
| I hereby certify that this correspondence postage as first class mail in an et VA 22313-1450 on this date:  Name (Print/Type)  |   |  |  |          | States                                    | Postal Service with sufficient  March 30, 2004   |  |
| Signature  | Fran Pot  | reller   |  | Date     | ,   | March 30, 2004   |  |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: COMMISSIONER FOR PATENTS, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/756,982

Applicant:

S. Inatsugu et al.

Filed: Title:

January 14, 2004 ANTENNA

TC/A.U.:

To Be Assigned

Examiner:

To Be Assigned
To Be Assigned

Confirmation No.:
Docket No.:

**MAT-8498US** 

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (R&P) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application and before mailing of the first Official Action. No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R. § 1.97(b). A statement, however, is provided herewith:

## **STATEMENT**

The undersigned hereby states that each item of information disclosed in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted

Lawrence E. Ashery, Reg. No. 34,51! Attorney for Applicants

LEA/fp

Enclosures: European Search Report

PTO Form 1449 (2 sheets) Copies of (3) References

Dated:

March 30, 2004

P.O. Box 980 Valley Forge, PA 19482 (610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

March 30, 2004

PTO/SB/08a (08-03) (AW 10/2003)
Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

bstitute for Form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| Complete if Known    |                    |  |  |  |
|----------------------|--------------------|--|--|--|
| Application Number   | 10/756,982         |  |  |  |
| Filing Date          | January 14, 2004   |  |  |  |
| First Named Inventor | S. Inatsugu et al. |  |  |  |
| Art Unit             | To Be Assigned     |  |  |  |
| Examiner Name        | To Be Assigned     |  |  |  |
| Attorney Docket No.  | MAT-8498US         |  |  |  |

|                              |              | SHEET   | 1 of 2                  | Attorne     | ey Docket No.    | MAT-84 | 198US                         |   |    |
|------------------------------|--------------|---|-------------------------|-------------|------------------|--------|-------------------------------|---|----|
|                              |              |   | U.S. PAT                | ENT C       | OCUMENTS         |        |                               |   |    |
| Examiner<br>Initials*        | Cite<br>No.1 | Document Number  Number - Kind Code <sup>2 (if known)</sup>                         | Publication<br>(MM-DD-Y |             |                  |        |                               | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |    |
|                              |              | US 2002/080088 A1   | 06/27/02                |             | Boyle            |        | See search report.            |   |    |
|                              |              | US 4,860,020 A  | 08/22/89                |             | Wong et al       |        |                               | See search report.  |    |
|                              |              | ·   |                         |             |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   | _  |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              |              |   | OREIGN P                | ATEN        | T DOCUMEN        | ITS    |                               |   |    |
| Superior Cit                 |              | Foreign Patent Document   |                         | _  <br>_ Pu | Publication Date |        | of Patentee or icant of Cited | Pages, Columns,<br>Lines, Where Relevant<br>Passages or Relevant                |    |
| Examiner Cite Initials* No.1 |              | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known) |                         | (1          | (MM-DD-YYYY)     |        | Document                      | Figures Appear T  | T⁵ |
|                              | ļ            | WO 03/003515 A  |                         | 01          | /09/03           | SKYC   | ROSS, INC.                    | See search report.  |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
|                              | ļ            |   |                         | <u> </u>    |                  |        |                               |   |    |
|                              |              |   |                         |             |                  |        |                               |   |    |
| Examiner<br>Signature        |              |   |                         |             |                  |        | Date<br>Considered            |   |    |

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>&</sup>lt;sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>&</sup>lt;sup>6</sup>Applicant is to place a check mark here if English language translation is attached. The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (AW 4/25/03) (04-03)
Approved for use through 04/30/2004, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| Substitute for Form 1449/PTO                             | Complete if Known    |                    |
|--|----------------------|--------------------|
|  | Application Number   | 10/756,982         |
| INFORMATION DISCLOSURE                                   | Filing Date          | January 14, 2004   |
| STATEMENT BY APPLICANT (Use as many sheets as necessary) | First Named Inventor | S. Inatsugu et al. |
|  | Art Unit             | To Be Assigned     |
|  | Examiner Name        | To Be Assigned     |
| SHEET 2 of 2   | Attorney Docket No.  | MAT-8498US         |

|                       |              | NON-PATENT LITERATURE DOCUMENTS  |                |
|-----------------------|--------------|--|----------------|
| Examiner<br>Initials* | Cite<br>No.1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|                       |              | European Search Report for EP 04 00 0866, dated March 22, 2004.  |                |
|                       |              |  |                |
| · <del>-</del>        |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
|                       |              |  |                |
| -                     | L            |  | <u> </u>       |
| Examiner<br>Signature |              | Date<br>Considered   |                |

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation ir not in conformance and not considered. Include copy of this form with next communication to Applicant.

¹Applicant's unique citation designation number (optional).

²Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents. P.O. Box 1450. Alexandria. VA 22313-1450. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>\*</sup>EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not